

Remarks/Arguments:

Claims 1-10 are pending and stand rejected.

By this amendment, claim 1 is amended and claim 4 is cancelled without prejudice. No new matter is presented by amended claim 1.

Rejection under 35 U.S.C. §103(a) as being obvious over Byun et al. in view of Otsuka et al

In the Office Action, at item 2, claims 1, 4, 6, and 7 are rejected under 35 U.S.C. §103 as being obvious over Byun et al. (U.S. Patent Publication No. 2001/0015721) (hereafter referred to as Byun) in view of Otsuka et al. (U.S. Patent No. 6,941,160) (hereafter referred to as Otsuka).

Reconsideration is respectfully requested.

Claim 1

Claim 1 is directed to a mobile terminal, and recites:

a display having a menu section for displaying a predetermined function from a plurality of functions and a tag section for displaying a name of said menu section...

the predetermined function selected in said menu section is displayed larger than other functions of the plurality of functions.

That is, the subject matter of claim 4 has been incorporated into independent claim 1.

Byun Reference

In the Office Action, at page 3, the Examiner contends that Byun "discloses the mobile terminal as defined in claim 1, further, wherein the predetermined function selected in the menu section (BELL/VIBRATION) is displayed larger than other functions (BELL/MELODY, because BELL/VIBRATION larger than BELL/MELODY, fig. 5A)."

Applicants respectfully disagree with the Examiner regarding the subject matter of claim 4, now incorporated into independent claim 1. Instead, Byun discloses main menu icons 401 displayed in a horizontal direction of the menu screen and a plurality of submenus 406 corresponding to each main menu displayed in a vertical direction of the menu screen. (See

Byun at paragraph [0039].) That is, when a user selects the main menu icon 401 corresponding to "volume/bell sound" in the main menus displayed on the menu screen, the submenu list window 402 displays submenus 403, such as, "bell/vibration conversion," "bell/melody conversion," "bell loudness," "call connecting sound," and "service changing sound." Once the submenus are displayed on the submenu list window 402, the user can select one of a plurality of submenus by operating the up and down shift keys 302. If the user selects one of the application type icons, for example, "bell/vibration conversion," the detailed list of the selected submenu is displayed on a new window. If the "bell/vibration conversion" is selected from the submenu, the LCD 102 displays a new window 407. The new window 407 displays a detailed list, including the options to set the "bell" or "vibration" mode. Thus, the user selects a desired function, e.g., bell/vibration conversion, by selecting/confirming one item from the detailed list displayed on the window 407. (See Byun at paragraphs [0040] to [0044].) Thus, contrary to the Examiner's contention, "bell/vibration conversion" and "bell/melody selection" are submenus and not functions.

Moreover, these submenus 403 are the same size. After the bell/vibration conversion is selected, as shown in Fig. 5B, only that submenu 403 is displayed in the Byun terminal. Within the submenu, two functions are shown; namely, the bell function depicted on the left, as the phone with the musical note, and the vibration function as depicted on the right side of Fig. 5B. Each of these functions, however, is also of the same size. Furthermore, Byun is silent regarding the display of selected function larger than other functions of the plurality of functions.

Otsuka Reference

Otsuka discloses a portable telephone device that is composed of two displays of substantially the same size. These displays are provided next to each other so that they can be visually recognized in the same field of vision when the user's line of vision is fixed. (See Otsuka at Col. 6, lines 24-27.) Otsuka is silent, however, regarding anything related to functions and, furthermore, is silent regarding the relative sizes of such functions which are displayed.

Rejection under 35 U.S.C. §103(a) as being obvious over Byun and Otsuka, and in further view of Frederiksen

In the Office Action, at item 3, claim 2 is rejected under 35 U.S.C. §103(a) as being obvious over Byun and Otsuka, and in further view of Frederiksen (U.S. Patent Publication No. 2002/0080186).

Reconsideration is respectfully requested.

Claim 2, which includes all the limitations of claim 1 from which it depends, is submitted to be patentable over Byun in view of Otsuka for at least the same reasons as claim 1.

Frederiksen does not overcome the deficiencies of Byun and Otsuka. This is because Frederiksen, which is used by the Examiner to establish a roller body of approximately cylindrical shape, is silent regarding the display of selected function larger than other functions. That is, in Frederiksen, for example, the part of the pop-up window usable for displaying the functionality text includes 32x76 pixels with a 7x5 font, enabling the display of 12 to 15 characters. (See Frederiksen at paragraph [0080].) Thus, Frederiksen teaches away from the display of selected functions being larger than other functions.

Accordingly, it is submitted that claim 2 is patentable over the combination of Byun, Otsuka and Frederiksen, taken singularly or in any proper combination, for the above-mentioned reasons.

Rejection under 35 U.S.C. §103(a) as being obvious over Byun and Otsuka, and further in view of Scott et al.

In the Office Action, at item 4, claim 3 is rejected under 35 U.S.C. §103(a) as being obvious over Byun and Otsuka, and further in view of Scott et al. (U.S. Patent No. 5,675,752) (hereafter referred to as Scott).

Reconsideration is respectfully requested.

Claim 3, which includes all of the limitations of claim 1 from which it ultimately depends, is patentable over Byun and Otsuka for at least the same reasons as claim 1.

Scott does not overcome the deficiencies of Byun and Otsuka. Scott is directed to a software utility that allows a user to develop a graphical user interface (GUI) for interactive software applications. (See Scott at Col. 1, line 66 to Col. 2, line 4.) Fig. 8a shows an

example of a user having many commands in a given GUI screen hierarchy, and Fig. 8b shows an example result of using a "reduce command" on a screen shown in Fig. 8a. Scott, however, is silent regarding anything related to these commands being displayed with relative size differences. Moreover, each window and subwindow in the Scott GUI display are the same in size.

Accordingly, it is submitted that claim 3 is patentable over Byun, Otsuka and Scott, taken singularly or in any proper combination for at least the above-mentioned reasons.

Rejection under 35 U.S.C. §103(a) as being obvious over Byun and Otsuka in further view of Selig et al.

In the Office Action, at item 5, claim 5 is rejected under 35 U.S.C. §103(a) as being obvious over Byun and Otsuka in further view of Selig et al. (U.S. Patent No. 6,492,978) (hereafter referred to as Selig).

Reconsideration is respectfully requested.

Claim 5, which includes all of the limitations of claim 1, is submitted to be patentable over Byun and Otsuka for at least the same reasons as claim 1.

Selig does not overcome the deficiencies of Byun and Otsuka. This is because Selig, which is used by the Examiner to show a keyscreen system, is silent regarding the display of selected functions and, more particularly, the relative size of a selected function to other functions. Instead, Selig discloses a keyscreen which includes a touch screen for providing an output position signal indicative of location, with a keypad disposed over the touchscreen to provide tactile feedback to the user. (See Selig at Col. 2, lines 28-33.)

Accordingly, claim 5 is submitted to be patentable over Byun, Otsuka and Selig, taken singularly or in any proper combination for at least the above-mentioned reasons.

Rejection under 35 U.S.C. §103(a) as being obvious over Byun in view of Otsuka and in further view of Son et al.

In the Office Action, at item 6, claim 8 is rejected under 35 U.S.C. §103(a) as being obvious over Byun in view of Otsuka and in further view of Son et al. (U.S. Patent No. 6,278,887) (hereafter referred to as Son).

Reconsideration is respectfully requested.

Claim 8, which includes all of the limitations of claim 1, is submitted to be patentable over Byun in view of Otsuka for at least the same reasons as claim 1.

Son does not overcome the deficiencies of Byun and Otsuka. This is because Son, which the Examiner uses to show certain power saving features of a wireless communication handset, is silent regarding the display of selected functions and, more particularly, the relative size of the selected function to other functions. Instead, Son merely mentions, for example, that the electronic device includes a display shut-off feature, a display backlight shut-off feature, and a keypad backlight shut-off feature. (See Son at Col. 4, lines 37-40.)

Accordingly, claim 8 is submitted to be patentable over Byun, Otsuka and son, taken singularly or in any proper combination for at least the above-mentioned reasons.

Rejection under 35 U.S.C. §103(a) as being obvious over Byun, Otsuka, Frederiksen, and Prior Art Fig. 7 and 8

In the Office Action, at item 7, claims 9 and 10 are rejected under 35 U.S.C. §103(a) as being obvious over Byun and Otsuka in view of Frederiksen and in further view of Prior Art Figs. 7 and 8 (submitted by Applicant).

Reconsideration is respectfully requested.

Claims 9 and 10, which include all of the limitations of claim 1, are submitted to be patentable over Byun, Otsuka and Frederiksen for at least the same reasons as claim 1.

Prior Art Figs. 7 and 8 do not overcome the deficiencies of Byun, Otsuka and Frederiksen. This is because, nothing in Figs. 7 and 8, or the corresponding disclosure to those figures, teaches or suggests displaying of a selected function name larger than other functions.

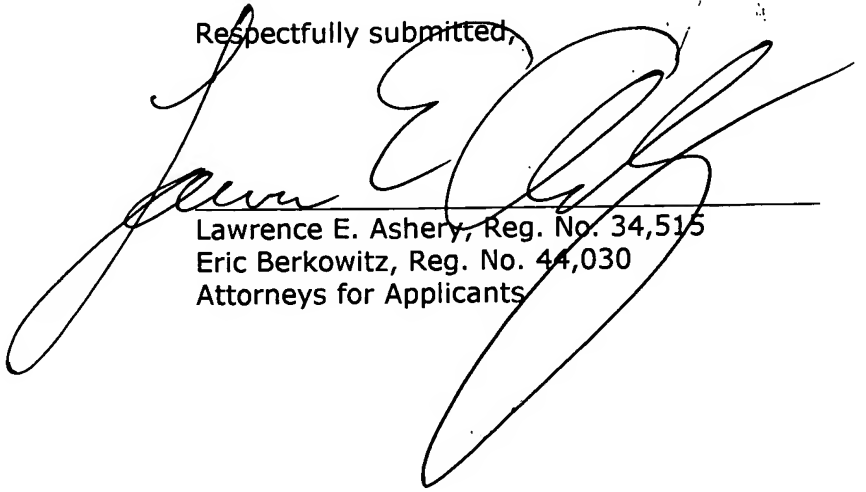
Accordingly, it is submitted that claims 9 and 10 are patentable over Byun, Otsuka, Frederiksen and Prior Art Figs. 7 and 8, taken singularly or in any proper combination, for the above-mentioned reasons.

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In view of the amendments and arguments set forth above, the above-identified application is in condition for allowance, which action is respectfully requested.

Respectfully submitted,



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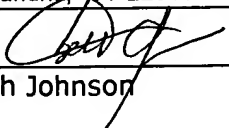
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